

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	140	joystick with solenoid	US-PGPUB; USPAT	OR	ON	2004/12/22 18:25
L5	10	4 and (maximum with current)	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26
L6	1	4 and (averag\$3 with voltage)	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26
L7	7	4 and ("700"/\$.ccls. or "345"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26
L8	939	joystick.ab.	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26
L9	41	8 and (maximum with current)	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26
L10	9	8 and (averag\$3 with voltage)	US-PGPUB; USPAT	OR	ON	2004/12/22 18:26

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#) The ACM Digital Library The Guide

+joystick, +current, +voltage, +solenoid

SEARCH

Nothing Found

Your search for **+joystick, +current, +voltage, +solenoid** did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)

RELEASE 1.8

Welcome
United States Patent and Trademark
Office[Help](#) [FAQ](#) [Terms](#) [IEEE Peer](#)
[Review](#)**Quick Links**[» Search Results](#)

Welcome to IEEE Xplore®

- [Home](#)
- [What Can I Access?](#)
- [Log-out](#)

Tables of Contents

- [Journals & Magazines](#)
- [Conference Proceedings](#)
- [Standards](#)

Search

- [By Author](#)
- [Basic](#)
- [Advanced](#)
- [CrossRef](#)

Member Services

- [Join IEEE](#)
- [Establish IEEE Web Account](#)
- [Access the IEEE Member Digital Library](#)

IEEE Enterprise

- [Access the IEEE Enterprise File Cabinet](#)

 [Print Format](#)[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved